

IN THE SPECIFICATION:

Please amend as follows:

Please replace the paragraph starting on page 1 line 8 and continuing to line 14.

The present application is a continuation-in-part of copending application Serial No. 08/438,431, now issued U.S. Patent No. 6,429,290, filed May 10, 1995, which in turn is a continuation-in-part of copending application Serial No. 08/347,563, now issued U.S. Patent No. 5,935,810, filed November 30, 1994, which in turn is a continuation-in-part of copending application Serial No. 08/292,345, now issued U.S. Patent No. 6,001,968, filed August 17, 1994, to each of which the instant application claims the benefit of the filing date pursuant to 35 U.S.C. § 120, and each of which is incorporated herein by reference in its entirety.

Please replace the paragraph starting on page 11 line 22 and continuing to page 12 line 12.

FIGURE 1A through E depicts the nucleic acid sequence (SEQ ID NO:1) and deduced amino acid sequence (SEQ ID NO:2) derived for the murine *OB* cDNA. A 39 base pair 5' leader was followed by a predicted 167 amino acid open reading frame and an approximately 3.7 kb 3' untranslated sequence. (In previously filed application Serial No. 08/347,563, now U.S. Patent No. 5,935,810, filed November 30, 1994 and Serial No. 08/438,431, now U.S. Patent No. 6,429,290, filed May 10, 1995, an additional 58-base 5' non-coding sequence was determined subsequently, to be a cloning artifact. This artifact has no bearing on the coding region, the 39 base 5' non-coding region presently depicted in FIGURE 1, or 3' non-coding region of the gene.) A total of about 2500 base pairs of the 3' untranslated sequence is shown. Analysis of the predicted protein sequence by observation and using the *SigSeq* computer program indicates the presence of a signal sequence (underlined). Microheterogeneity of the cDNA was noted in that approximately 70% of the cDNAs had a glutamine codon at codon 49 and 30% did not (see FIGURES 5 and 6, *infra*). This amino acid is underlined, as is the arginine codon that is mutated in C57BL/6J *ob/ob* mice (1J mice).

Please replace the paragraph at page 158, lines 4-5.

Recombinant human met OB (Double Stranded) DNA and amino acid sequence
(SEQ ID NOs: 96 and 97)